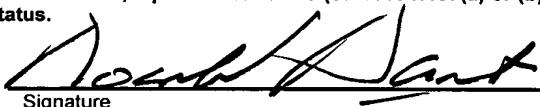


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|---|---|--|
| <small>SUBSTITUTE FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</small> TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 28951.5400 <small>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)</small> <div style="font-size: 1.5em; font-weight: bold;">10/541024</div> |
| <small>INTERNATIONAL APPLICATION NO.</small> PCT/JP2004/000671 | <small>INTERNATIONAL FILING DATE</small> 26 January 2004 | <small>PRIORITY DATE CLAIMED</small> 27 January 2003 |
| <small>TITLE OF INVENTION</small> <div style="text-align: center; font-weight: bold;">MEMORY CONTROLLER</div> | | |
| <small>APPLICANT(S) FOR DO/EO/US</small> <div style="text-align: center;">Mamiko AKIZUKI, Toru AOKI and Yasushi UEDA</div> | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | |
| Items 11 to 20 below concern document(s) or information included: | | |
| <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Int'l Publ. WO 2004/068349 (w/Search Report) PCT Request | | |

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|--|--------------|---|---|--|-----------------|
| U.S. Application No. (known, see 37 CFR 1.55) 10/54102 | | INTERNATIONAL APPLICATION NO. PCT/JP2004/000671 | | ATTORNEY'S DOCKET NUMBER 28951.5400 | |
| The following fees have been submitted: | | | | Applicant use | Office use only |
| | | | | | |
| 21. <input checked="" type="checkbox"/> Basic national fee \$300 | | | | \$ 300 | |
| 22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) \$100 All other situations \$200 | | | | \$ 200 | |
| 23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared and provided to the Office \$400 All other situations \$500 | | | | \$ 500 | |
| TOTAL OF 21, 22 and 23 = | | | | \$ 1000 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| - 100 = | /50 = | | x \$250 | \$ | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | \$ | |
| CLAIMS | | NUMBER FILED | NUMBER EXTRA | RATE | |
| Total claims | | 40 - 20 = | 20 | x \$ 50 | \$ 1000 |
| Independent claims | | 6 - 3 = | 3 | x \$200 | \$ 600 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | | + \$360 | \$ |
| TOTAL ABOVE CALCULATIONS = | | | | \$ 1600 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | \$ | |
| SUBTOTAL = | | | | \$ 2600 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | + | \$ |
| TOTAL NATIONAL FEE = | | | | \$ 2600 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 3.28, 3.31). \$40.00 per property | | | | + | \$ |
| TOTAL FEES ENCLOSED = | | | | \$ 2600 | |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be charged: | \$ |
| a. <input checked="" type="checkbox"/> A check in the amount of \$ 2600 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 19-4293 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-4293 . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO 2038. | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | | | |
| USPTO CUSTOMER NO. 27890 | | |  Signature | | |
| STEPTOE & JOHNSON LLP Attn. USPTO Docket Administrator 1330 Connecticut Avenue, NW Washington, DC 20036 | | | | | |
| Tel. 202.429.3000 Fax 202.429.3902 | | | Roger W. Parkhurst Name | | |
| | | | 25,177 Registration No. | | |

VERIFICATION

I, Yoshihiro Morimoto, translator, having an office at All Nippon Airways (Nishi-Hommachi) Bldg., 10-10, Nishi-Hommachi 1-chome, Nishi-ku, Osaka, Japan, declare that I am well acquainted with the Japanese and English languages and that the appended English translation is a true and faithful translation of

PCT application No. PCT/JP2004/000671 filed on January 26, 2004 in Japanese language.

Date: June 10, 2005


Yoshihiro Morimoto

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Mamiko AKIZUKI et al

Serial No. (new)

Based on PCT/JP2004/000671

Int'l Filing Date: January 26, 2004

For: MEMORY CONTROLLER

NOTICE OF CHANGE OF CORRESPONDENCE ADDRESS

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Alexandria, Virginia 22314

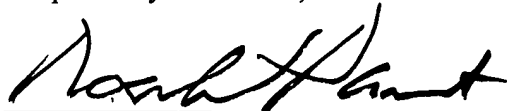
Sir:

Please forward all future correspondence in connection with the above-identified application to the undersigned attorney of record at the following new address:

CUSTOMER NUMBER 27890

STEPTOE & JOHNSON LLP
1330 Connecticut Avenue, N.W.
Washington, D.C. 20036
Telephone: (202) 429-3000
Telefax: (202) 429-3902

Respectfully submitted,



Roger W. Parkhurst, Reg. 25,177